

Converting Colors

CIELCh(38, 50.963, 122.585)

Have a look what the booklet for
CIELCh(38, 50.963, 122.585)
contains.

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Color

CIELCh(38, 51.208, 122.680)

Conversions

Conversions Part 1

Format	Color
Hex	3F6403
RGB	63, 100, 3
RGB Percent	25%, 39%, 1%
CMY	0.7546, 0.6094, 0.9863
CMYK	0.37, 0.00, 0.96, 0.61
HSL	83°, 93%, 20%
HSV	83°, 96%, 39%
XYZ	6.5612, 10.0881, 1.7015
YIQ	77.8790, 9.0850, -38.0110

Conversions

Conversions Part 2

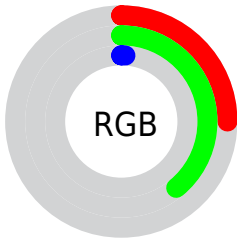
Format	Color
R_{YB}	3, 100, 40
Decimal	4154371
CIE _{Lab}	38.00, -27.65, 43.10
CIE _{LCh}	38, 51.208, 122.680
Yxy	10.0881, 0.3575, 0.5497
Android (android.graphics.Color)	4282344451 (0xFF3F6403)
YUV	77.8790, -36.9153, -13.0489
Hunter-Lab	31.7617, -18.7092, 19.0570

Details

The CIELCh color **38, 51.208, 122.680** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **12, 61.798, 310.058**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 51.417, 122.378**, and **18, 36.495, 135.563** is the 20% darker color. If you saturate the color by 10%, you get **38, 52.329, 122.790**, and if you desaturate by 10%, it is **38, 48.116, 122.220**.

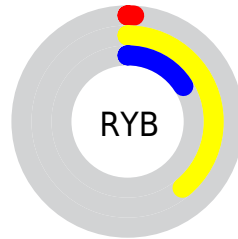
Distribution



Red (25%)

Green (39%)

Blue (1%)



Red (1%)

Yellow (39%)

Blue (16%)

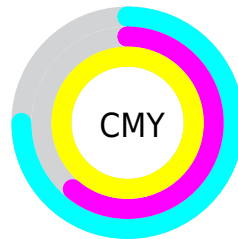


Cyan (37%)

Magenta (0%)

Yellow (96%)

Black (61%)



Cyan (75%)


Magenta (61%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 51.208, 122.680 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 38, 51.208, 122.680 by changing the saturation by 10% instead.


 38, 51.208,
122.680


 38, 51.208,
122.680

 100, 51.208,
122.680


 28, 51.208,
122.680

 58, 51.208,
122.680

 18, 51.208,
122.680


 68, 51.208,
122.680

 8, 51.208, 122.680

 78, 51.208,
122.680

 0, 51.208, 122.680

 88, 51.208,
122.680

 98, 51.208,
122.680

■ 38, 51.208,
122.680

■ 38, 51.208,
122.680

■ 38, 52.329,
122.790

■ 38, 48.116,
122.220

■ 39, 44.265,
121.997

■ 39, 39.570,
122.071

■ 39, 34.271,
122.344

■ 40, 28.565,
122.739

■ 40, 22.602,
123.200

■ 41, 16.483,
123.690

■ 41, 10.280,

124.183

■ 42, 4.045, 124.670

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



38, 51.208, 122.680



12, 61.798, 310.058

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38, 51.208, 122.680



38, 51.208, 172.680



38, 51.208, 302.680



38, 51.208, 352.680

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



38, 51.208, 122.681



52, 22.437, 123.523



24, 41.710, 53.485



27, 15.495, 123.372



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38, 51.208, 122.681



49, 63.499, 123.258



36, 58.198, 135.273



21, 3.567, 124.551



44, 57.954, 123.052



87, 101.249, 124.004

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



12, 61.798, 310.058



17, 77.283, 309.918



20, 57.412, 323.993



19, 3.622, 305.380



14, 70.534, 310.057



36, 123.203, 309.430

Previews

White Background



This preview shows how the CIELCh color 38, 51.208, 122.680 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 38, 51.208, 122.680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

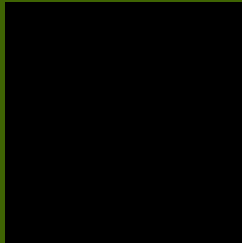
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 51.208, 122.680

Background



This preview shows how black text looks on a background with the CIELCh color 38, 51.208, 122.680.



This preview shows how white text looks on a background with the CIELCh color 38, 51.208, 122.680.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

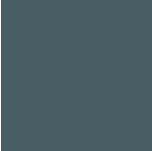
38, 51.461, 122.553

Protanopia

38, 45.686, 95.777

Deuteranopia

38, 39.763, 83.546



Tritanopia
38, 8.696, 228.399

Trichromacy



Original Color
38, 51.461, 122.553

Protanomaly
38, 46.189, 106.634

Deuteranomaly
37, 41.246, 100.669

Tritanomaly
38, 21.572, 139.087

Monochromacy



Original Color
38, 51.461, 122.553

Achromatopsia
33, 0.005, 296.813

Achromatomaly
35, 22.348, 123.612

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 51.208, 122.680 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(63, 100, 3)` looks like.

```
.text, #text, p{  
    color:rgb(63, 100, 3)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(63, 100, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 100, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 51.208, 122.680 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(63, 100, 3) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(63, 100, 3) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(63, 100, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 100, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 100, 3);  
box-shadow:4px 4px 4px 4px rgb(63, 100, 3)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 51.208, 122.680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 100, 3) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(63, 100,  
3) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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